



[4910-13-P]

DEPARTMENT OF TRANSPORTATION

Federal Aviation Administration

14 CFR Part 39

[Docket No. FAA-2011-1089; Directorate Identifier 2011-NM-110-AD]

RIN 2120-AA64

Airworthiness Directives; Bombardier, Inc., Airplanes

AGENCY: Federal Aviation Administration (FAA), DOT.

ACTION: Supplemental notice of proposed rulemaking (NPRM); reopening of comment period.

SUMMARY: We are revising an earlier proposed airworthiness directive (AD) for certain Bombardier, Inc. Model BD-100-1A10 (Challenger 300) airplanes. That NPRM proposed an inspection to determine if a certain oxygen cylinder and regulator assembly (CRA) is installed and the replacement of affected oxygen CRAs. That NPRM was prompted by reports of deformation found at the neck of the pressure regulator body on the oxygen CRA. This action revises that NPRM by revising the compliance times. We are proposing this supplemental NPRM to prevent elongation of the pressure regulator neck, which could result in rupture of the oxygen cylinder, and in the case of cabin depressurization, oxygen not being available when required. Since these actions impose an additional burden over that proposed in the NPRM, we are reopening the comment period to allow the public the chance to comment on these proposed changes.

DATES: We must receive comments on this proposed AD by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

ADDRESSES: You may send comments by any of the following methods:

- Federal eRulemaking Portal: Go to <http://www.regulations.gov>. Follow the instructions for submitting comments.
- Fax: (202) 493-2251.
- Mail: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC 20590.
- Hand Delivery: U.S. Department of Transportation, Docket Operations, M-30, West Building Ground Floor, Room W12-140, 1200 New Jersey Avenue SE., Washington, DC, between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays.

For service information identified in this proposed AD, contact Bombardier, Inc., 400 Côte-Vertu Road West, Dorval, Québec H4S 1Y9, Canada; telephone 514-855-5000; fax 514-855-7401; e-mail thd.crj@aero.bombardier.com; Internet <http://www.bombardier.com>. You may review copies of the referenced service information at the FAA, Transport Airplane Directorate, 1601 Lind Avenue SW., Renton, Washington. For information on the availability of this material at the FAA, call 425-227-1221.

Examining the AD Docket

You may examine the AD docket on the Internet at <http://www.regulations.gov>; or in person at the Docket Operations office between 9 a.m. and 5 p.m., Monday through Friday, except Federal holidays. The AD docket contains this proposed AD, the

regulatory evaluation, any comments received, and other information. The street address for the Docket Operations office (telephone (800) 647-5527) is in the ADDRESSES section. Comments will be available in the AD docket shortly after receipt.

FOR FURTHER INFORMATION CONTACT: Cesar Gomez, Aerospace Engineer, Airframe and Mechanical Systems Branch, ANE-171, FAA, New York Aircraft Certification Office, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone (516) 228-7318; fax (516) 794-5531.

SUPPLEMENTARY INFORMATION:

Comments Invited

We invite you to send any written relevant data, views, or arguments about this proposed AD. Send your comments to an address listed under the ADDRESSES section. Include “Docket No. FAA-2011-1089; Directorate Identifier 2011-NM-110-AD” at the beginning of your comments. We specifically invite comments on the overall regulatory, economic, environmental, and energy aspects of this proposed AD. We will consider all comments received by the closing date and may amend this proposed AD based on those comments.

We will post all comments we receive, without change, to <http://www.regulations.gov>, including any personal information you provide. We will also post a report summarizing each substantive verbal contact we receive about this proposed AD.

Discussion

We proposed to amend 14 CFR part 39 with an earlier NPRM for the specified products, which was published in the Federal Register on October 19, 2011 (76 FR 64857). That earlier NPRM proposed to require actions intended to address the unsafe condition for Model BD-100-1A10 (Challenger 300) airplanes.

Since that NPRM (76 FR 64857, October 19, 2011) was issued, we have determined that a revision to the compliance time is needed. We are changing the compliance time in paragraph (g) of this supplemental NPRM to “within 750 flight hours, or 6 months after the effective date of this AD, whichever occurs first.” We have determined that this compliance time is adequate to address the unsafe condition.

You may obtain further information by examining the MCAI in the AD docket.

Comments

We gave the public the opportunity to participate in developing this AD. We received no comments on the NPRM (76 FR 64857, October 19, 2011), or on the determination of the cost to the public.

Additional Change

We have made minor editorial changes to this supplemental NPRM. We have determined that these minor editorial changes:

- Are consistent with the intent that was proposed in the NPRM (76 FR 64857, October 19, 2011) for correcting the unsafe condition; and

- Do not add any additional burden upon the public than was already proposed in the NPRM (76 FR 64857, October 19, 2011).

FAA's Determination and Requirements of This Proposed AD

This product has been approved by the aviation authority of another country, and is approved for operation in the United States. Pursuant to our bilateral agreement with the State of Design Authority, we have been notified of the unsafe condition described in the MCAI and service information referenced above. We are proposing this AD because we evaluated all pertinent information and determined an unsafe condition exists and is likely to exist or develop on other products of the same type design.

Certain changes described above expand the scope of the earlier NPRM (76 FR 64857, October 19, 2011). As a result, we have determined that it is necessary to reopen the comment period to provide additional opportunity for the public to comment on this proposed AD.

Differences Between This AD and the MCAI or Service Information

This AD differs from the MCAI and/or service information as follows:

The MCAI applicability specifies only airplanes having certain serial numbers and prohibits installation of the affected part on those airplanes. Because the affected part could be rotated onto any of the Model BD-100-1A10 (Challenger 300) airplanes, this AD applies to serial numbers 20003 and subsequent. This difference has been coordinated with Transport Canada Civil Aviation (TCCA).

Costs of Compliance

Based on the service information, we estimate that this proposed AD would affect about 79 products of U.S. registry. We also estimate that it would take about 3 work-hours per product to comply with the basic requirements of this proposed AD. The average labor rate is \$85 per work-hour. Required parts would cost about \$0 per product. Where the service information lists required parts costs that are covered under warranty, we have assumed that there will be no charge for these parts. As we do not control warranty coverage for affected parties, some parties may incur costs higher than estimated here. Based on these figures, we estimate the cost of the proposed AD on U.S. operators to be \$20,145, or \$255 per product.

Authority for This Rulemaking

Title 49 of the United States Code specifies the FAA's authority to issue rules on aviation safety. Subtitle I, section 106, describes the authority of the FAA Administrator. "Subtitle VII: Aviation Programs," describes in more detail the scope of the Agency's authority.

We are issuing this rulemaking under the authority described in "Subtitle VII, Part A, Subpart III, Section 44701: General requirements." Under that section, Congress charges the FAA with promoting safe flight of civil aircraft in air commerce by prescribing regulations for practices, methods, and procedures the Administrator finds necessary for safety in air commerce. This regulation is within the scope of that authority because it addresses an unsafe condition that is likely to exist or develop on products identified in this rulemaking action.

Regulatory Findings

We determined that this proposed AD would not have federalism implications under Executive Order 13132. This proposed AD would not have a substantial direct effect on the States, on the relationship between the national Government and the States, or on the distribution of power and responsibilities among the various levels of government.

For the reasons discussed above, I certify this proposed regulation:

1. Is not a “significant regulatory action” under Executive Order 12866;
2. Is not a “significant rule” under the DOT Regulatory Policies and Procedures (44 FR 11034, February 26, 1979);
3. Will not affect intrastate aviation in Alaska; and
4. Will not have a significant economic impact, positive or negative, on a substantial number of small entities under the criteria of the Regulatory Flexibility Act.

We prepared a regulatory evaluation of the estimated costs to comply with this proposed AD and placed it in the AD docket.

List of Subjects in 14 CFR Part 39

Air transportation, Aircraft, Aviation safety, Incorporation by reference, Safety.

The Proposed Amendment

Accordingly, under the authority delegated to me by the Administrator, the FAA proposes to amend 14 CFR part 39 as follows:

PART 39 - AIRWORTHINESS DIRECTIVES

1. The authority citation for part 39 continues to read as follows:

Authority: 49 U.S.C. 106(g), 40113, 44701.

§ 39.13 [Amended]

2. The FAA amends § 39.13 by adding the following new AD:

Bombardier, Inc.: Docket No. FAA-2011-1089; Directorate Identifier 2011-NM-110-AD.

(a) Comments Due Date

We must receive comments by [INSERT DATE 45 DAYS AFTER DATE OF PUBLICATION IN THE FEDERAL REGISTER].

(b) Affected ADs

None.

(c) Applicability

This AD applies to Bombardier, Inc. Model BD-100-1A10 (Challenger 300) airplanes, certificated in any category, serial numbers 20003 and subsequent.

(d) Subject

Air Transport Association (ATA) of America Code 35: Oxygen

(e) Reason

This AD was prompted by reports of deformation found at the neck of the pressure regulator body on the oxygen cylinder and regulator assembly (CRA). We are issuing this AD to prevent elongation of the pressure regulator neck, which could result

in rupture of the oxygen cylinder, and in the case of cabin depressurization, oxygen not being available when required.

(f) Compliance

You are responsible for having the actions required by this AD performed within the compliance times specified, unless the actions have already been done.

(g) Actions

For airplanes having serial numbers 20003 through 20291 inclusive: Within 750 flight hours, or within 6 months after the effective date of this AD, whichever occurs first, inspect oxygen pressure regulators having P/N 806370-06 or 806370-14, to determine the serial number, in accordance with paragraph 2.B.(2) of the Accomplishment Instructions of Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011.

(1) If the serial number of the oxygen pressure regulator is listed in Table 2 of the Accomplishment Instructions of Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011, replace the affected oxygen CRA, in accordance with paragraph 2.C. of the Accomplishment Instructions of Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011.

(2) If the serial number of the oxygen pressure regulator is not listed in Table 2 of the Accomplishment Instructions of Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011, no further action is required by this paragraph.

(h) Parts Installation

For all airplanes: As of the effective date of this AD, no person may install an

oxygen pressure regulator (P/N 806370-06 or 806370-14) having any serial number listed in Table 2 of Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011, on any airplane, unless a suffix “-A” is beside the serial number.

(i) Other FAA AD Provisions

The following provisions also apply to this AD:

(1) Alternative Methods of Compliance (AMOCs): The Manager, New York Aircraft Certification Office (ACO), ANE-170, FAA, has the authority to approve AMOCs for this AD, if requested using the procedures found in 14 CFR 39.19. In accordance with 14 CFR 39.19, send your request to your principal inspector or local Flight Standards District Office, as appropriate. If sending information directly to the ACO, send it to ATTN: Program Manager, Continuing Operational Safety, FAA, New York ACO, 1600 Stewart Avenue, Suite 410, Westbury, New York 11590; telephone 516-228-7300; fax 516-794-5531. Before using any approved AMOC, notify your appropriate principal inspector, or lacking a principal inspector, the manager of the local flight standards district office/certificate holding district office. The AMOC approval letter must specifically reference this AD.

(2) Airworthy Product: For any requirement in this AD to obtain corrective actions from a manufacturer or other source, use these actions if they are FAA-approved. Corrective actions are considered FAA-approved if they are approved by the State of Design Authority (or their delegated agent). You are required to assure the product is airworthy before it is returned to service.

(j) Related Information

Refer to MCAI Canadian Airworthiness Directive CF-2011-09, dated May 13, 2011; and Bombardier Service Bulletin 100-35-05, Revision 02, dated January 31, 2011; for related information.

Issued in Renton, Washington, on January 26, 2012.

Kalene C. Yanamura,
Acting Manager,
Transport Airplane Directorate,
Aircraft Certification Service.

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